

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526045

Luminaire Tested: **GALN-SA1A-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2501 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

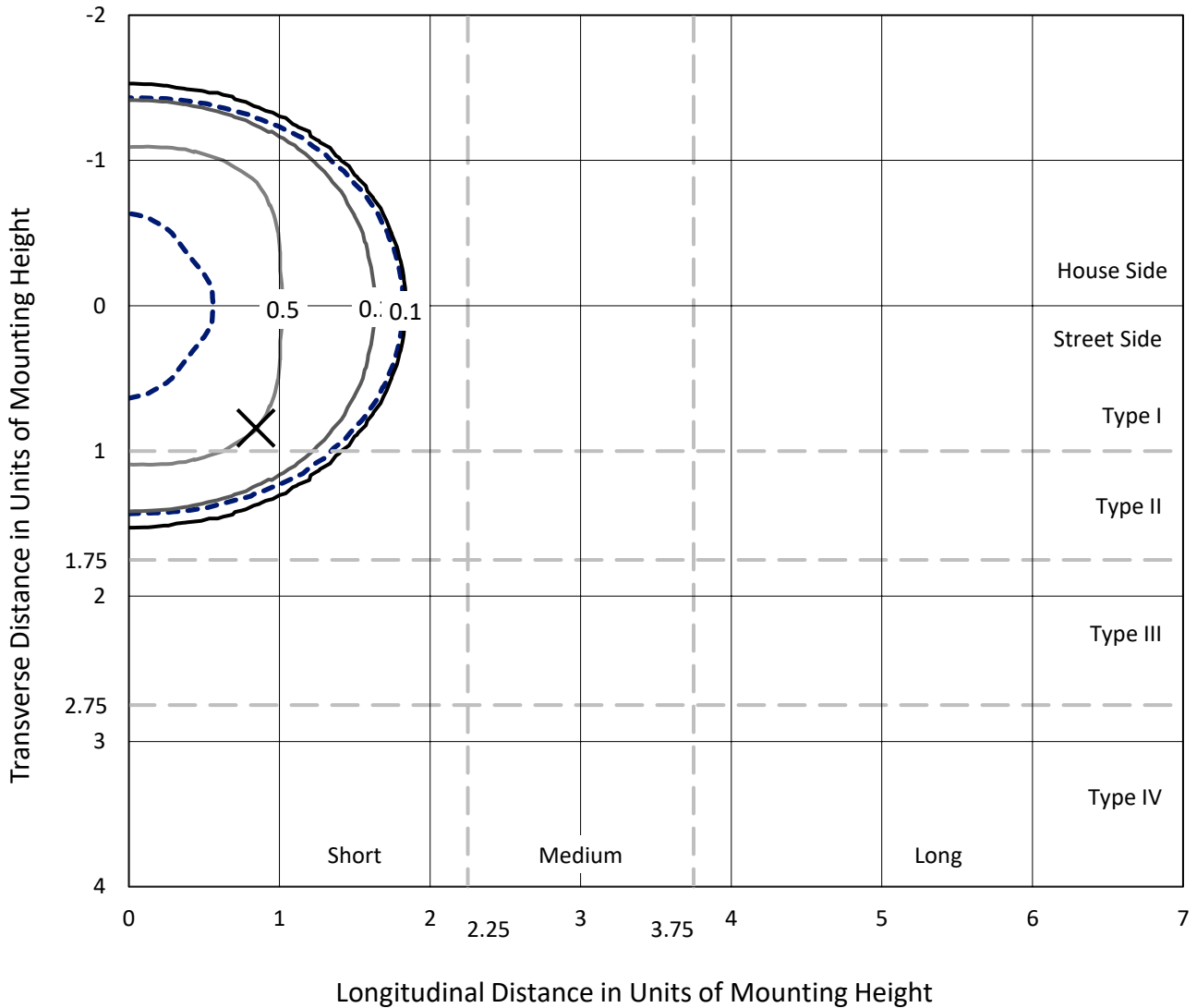
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

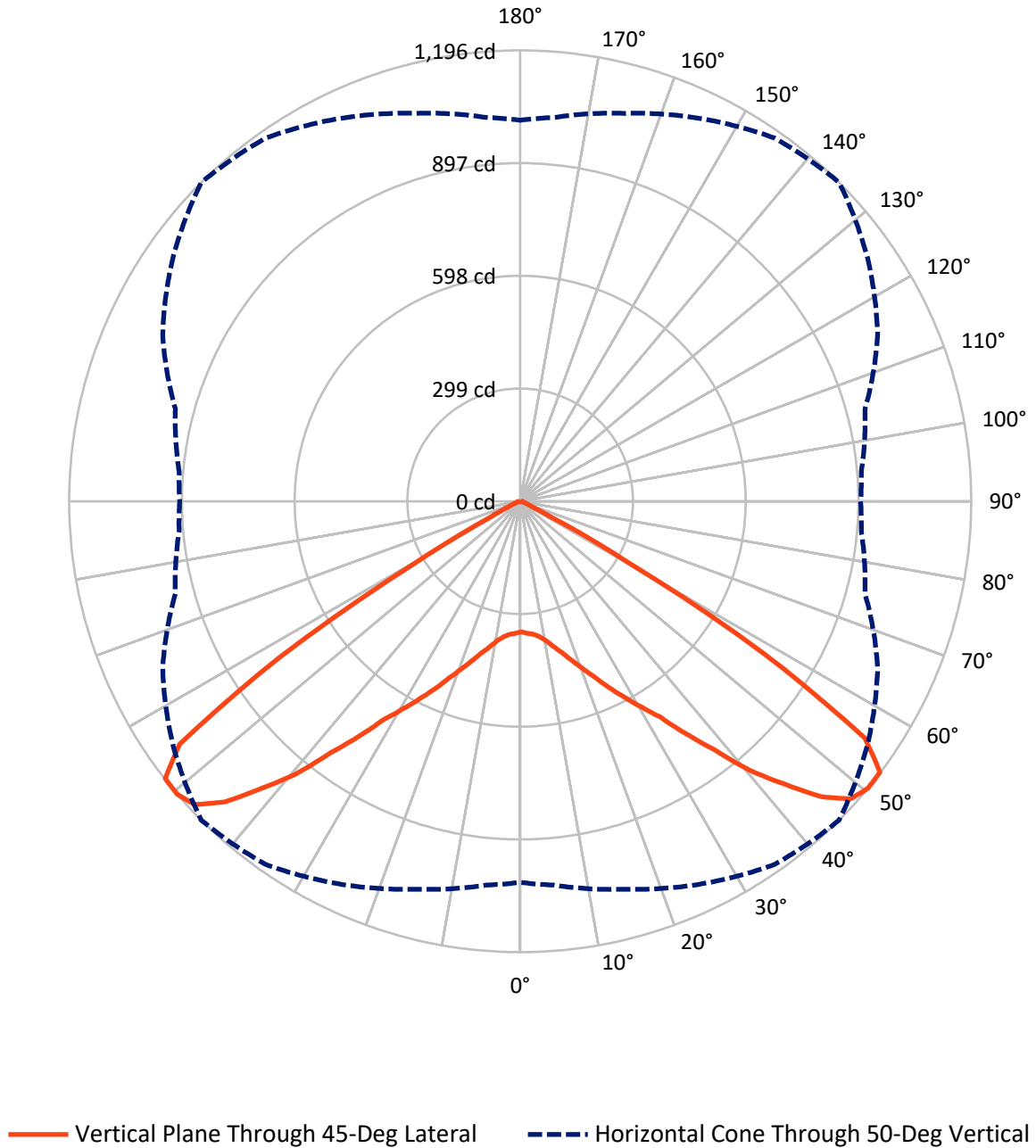
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1250.5	0.0	1250.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1250.5	0.0	1250.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2501.0	0.0	2501.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	1.4
10°-20°	118.9	4.8
20°-30°	242.8	9.7
30°-40°	463.1	18.5
40°-50°	780.3	31.2
50°-60°	744.2	29.8
60°-70°	103.9	4.2
70°-80°	9.9	0.4
80°-90°	3.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2501.0	100.0
0°-180°	2501.0	100.0

Coefficient of Utilization



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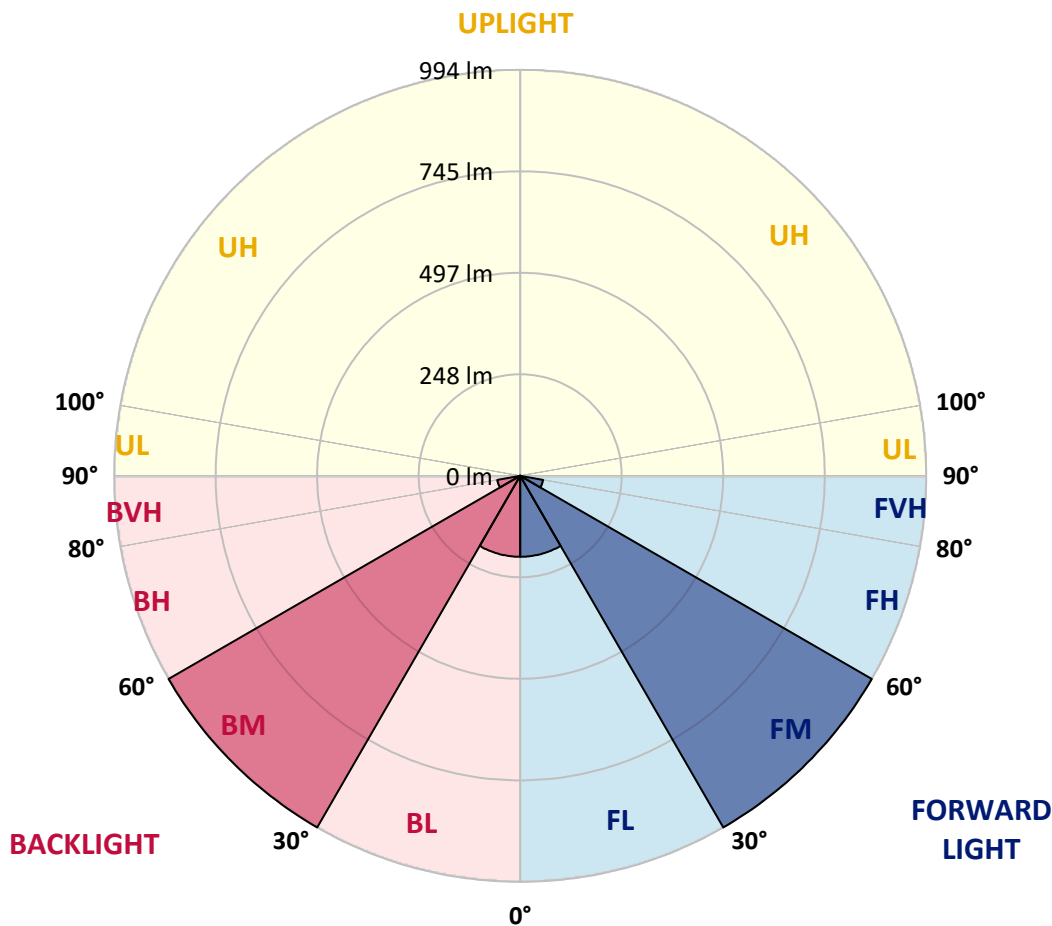
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	198.1	7.9			
FM (30°-60°)	993.8	39.7			
FH (60°-80°)	56.9	2.3			G0/660
FVH (80°-90°)	1.7	0.1			G0/10
BL (0°-30°)	198.1	7.9	B1/500		
BM (30°-60°)	993.8	39.7	B1/1000		
BH (60°-80°)	56.9	2.3	B0/110		G0/660
BVH (80°-90°)	1.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7
2.5°	345.5	345.5	345.1	348.4	346.7	350.5	350.1	351.4	352.6	352.2	355.6
5°	342.5	342.1	342.1	345.9	349.7	353.9	357.7	360.2	364.4	364.4	368.6
7.5°	345.5	343.4	346.3	348.0	355.2	362.3	368.6	373.7	383.3	386.7	385.4
10°	346.3	348.8	350.9	356.0	364.8	375.8	381.2	393.9	404.8	412.4	414.1
12.5°	351.8	355.6	361.5	373.7	381.7	396.0	403.5	415.7	430.9	439.3	445.2
15°	362.3	363.6	371.1	386.7	404.0	417.0	428.8	437.6	452.4	462.0	462.5
17.5°	375.8	381.2	391.8	406.5	424.6	443.9	453.2	462.9	468.3	481.4	484.3
20°	402.7	403.5	413.6	433.0	455.7	473.4	480.1	485.2	483.1	496.5	499.1
22.5°	427.9	428.8	441.4	467.5	491.9	507.1	510.0	507.1	500.7	510.4	511.3
25°	453.6	461.2	470.5	496.5	526.8	547.0	547.5	539.5	526.4	528.1	532.3
27.5°	493.6	499.1	508.7	532.7	566.0	588.7	584.9	575.2	558.4	559.7	558.4
30°	540.3	545.4	553.3	584.1	608.5	633.3	638.8	629.5	604.3	598.8	605.1
32.5°	596.7	603.8	618.6	646.8	667.4	682.5	686.3	683.0	659.4	657.3	661.5
35°	665.3	675.0	688.4	713.2	730.1	757.4	757.4	746.1	724.6	727.1	726.7
37.5°	737.7	752.0	773.0	798.3	821.0	835.7	831.1	821.4	799.9	794.5	799.9
40°	828.5	835.7	862.2	895.0	922.8	939.6	919.9	898.8	847.5	855.5	870.2
42.5°	911.4	922.8	943.0	979.2	1010.8	1024.6	1001.1	959.4	897.6	891.2	902.2
45°	982.1	994.3	1020.9	1072.6	1105.9	1118.1	1065.9	998.5	927.9	911.9	916.5
47.5°	1029.3	1035.6	1072.6	1121.8	1152.1	1179.9	1105.0	1025.5	942.2	911.9	910.2
50°	1011.2	1022.1	1065.5	1121.4	1176.5	1196.3	1124.8	1046.1	946.8	908.1	903.0
52.5°	898.0	916.9	965.3	1040.6	1123.9	1194.6	1152.1	1039.4	945.1	911.9	919.4
55°	624.9	625.3	684.2	795.3	942.6	1109.2	1112.2	1046.9	956.0	935.4	935.9
57.5°	251.2	263.8	308.9	420.4	556.3	761.6	905.6	971.2	957.3	952.3	965.3
60°	63.5	64.0	77.8	118.7	195.7	326.5	474.2	641.7	738.9	772.2	776.8
62.5°	32.4	32.8	36.2	42.1	53.4	87.5	155.7	247.0	351.4	404.4	418.3
65°	26.5	26.5	28.6	31.6	32.0	33.7	40.4	57.6	83.7	95.1	96.4
67.5°	20.2	20.2	21.9	23.6	24.4	24.0	23.1	24.0	29.0	27.8	26.9
70°	12.6	13.0	13.9	15.6	16.4	16.8	17.3	18.1	20.6	21.5	20.6
72.5°	7.6	7.6	8.0	9.3	10.5	11.4	12.6	13.5	14.7	16.8	16.4
75°	3.4	3.4	4.2	5.5	6.7	8.0	9.3	10.5	11.4	12.6	13.0
77.5°	0.8	1.3	2.1	3.8	5.0	6.7	8.4	9.7	10.5	10.5	10.1
80°	0.4	0.4	1.7	2.9	5.5	7.2	9.3	10.1	11.4	10.5	9.3
82.5°	0.4	0.4	1.7	2.9	5.0	7.2	9.7	10.9	11.8	10.5	8.8
85°	0.0	0.4	1.3	2.5	4.2	5.0	4.2	2.9	1.7	1.7	1.3
87.5°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)